

07/08/03

MS PATENT APPLICATION
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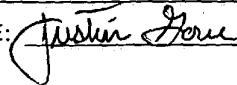
Transmitted herewith for filing is the patent application of:

I HEREBY CERTIFY THIS PAPER OR FEE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED BELOW AND IS ADDRESSED TO: MS PATENT APPLICATION, COMMISSIONER FOR PATENTS, PO BOX 1450, ALEXANDRIA, VA 22313-1450.

EXPRESS MAIL NO: EV322683865US

DATE OF DEPOSIT: July 8, 2003

NAME: Justin Goree

SIGNATURE: 16447 U.S. PTO
10/615446

07/08/03

Inventors: Gianguidio RIZZOTTO
Paolo AMATO
Domenico PORTO

For: METHOD AND RELATIVE QUANTUM GATE FOR RUNNING A GROVER'S OR A DEUTSCH-JOZSA'S QUANTUM ALGORITHM

Enclosed are:

Patent Application: 29 pages, 10 claims
8 sheets of drawings
 The suggested drawing figure to be published is FIG. 7.
 A Preliminary Amendment (with 7 replacement drawing sheets).
 Assignee info:
Name: STMicroelectronics S.r.l.
Address: Via C. Olivetti, 2, 20041 Agrate Brianza (MI), Italy
Country of Incorporation: Italy

Applicant claims priority benefit to the following foreign application(s):
Country: Europe
Application No.: 02425447.6
Filing Date: July 8, 2002

The Declaration and Filing Fee are **NOT ENCLOSED**.

Name, Address and Citizenship of Inventor(s) is as follows:

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PATENT TRADEMARK OFFICE

Date: July 8, 2003


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